# Index to Vol. XXI of Aviation

## *Contents of Twenty-six Issues, July to December, 1926, Classified by Subjects, Titles, and Items.*


A

ACCESSORIES — Page
Airplane Arresters & Catapults 122
Air Speed Indicators, Notes on 1001
Curtiss Duralumin Fuel Tank, The 250
Durability of Metal Propellers, The, by T. P. Wright 706
Duralumin Hulls and Pontoons, Repairing 242
Metal v. Wood Propellers 913
Further Discussion on Metal Propellers 1082
Sauzedde Airplane Wheel Brakes 472
Activities in the N. A. A. 95
Aeronautical Development, An Outline of 174
Aerodynamic Theory, An Application of Modern 87
Africa Air Route to Open, Eastern 245
Africa, Seaplane Crosses 955

AIR MAIL
An Air Service to Ocean Liners 1079
Atlanta-Miami Air Line Successes, by H. D. Dennis 839
Atlanta-Miami Mail Schedule Changed 1039
Chicago-St. Louis Air Mail Schedule Changed 1039
Chicago-St. Paul-Minneapolis Air Mail Contract 361
Cleveland-Louisville Air Mail Contract 884
Colonial Air Transport, Three Months Operation of 703
Commercial Aviation, The Air Mail Fathers, by Hon. W. Irving Glover 668
Japanese Air Mail Starts 966
Freight Containers in Air Transport, by Archibald Black 1038
Further Improvements in Mail Schedule 1081
Mexico to Link with Air Mail 472
Mexico, Air Mail Service for 755
New Air Mail Schedule 21
New Chicago-Twin Cities Air Mail Contractor 514
New York-Boston Air Mail Inaugurated 51
Air Mail Postage Ten Cents Half Ounce 1039
Philadelphia, Pa.-Norfolk, Va. Air Mail 547
P. R. T. Air Service 97 Per Cent Efficient 705
P.R.T. Air Service Suspended 1042
Stamp, New Air Mail 510
Statistics Show Increased Service, Air Mail 995
Texas-Chicago Air Mail Operates 97 Per Cent Perfect 320
Tribute to the Air Mail Service, A, by W. T. Whitlock 512
Uniform Air Mail Rate Proposed 836
Varney's Operating Report 124
Washington-Philadelphia Air Mail 96
Air Corps Radio Set, The 676
Aircraft Industry in Hammondsport, N. Y., The 994
Air Mail Pilots of America, The 884
Airplane Arresters & Catapults 122

AIRPLANES
Arrow Commercial Airplanes, The 843
Bird Two-Seater Touring Plane, The 420
Cole Sport Commercial Airplane, The 642
Constructing and Merchandising the Eaglerock 1077
Curtiss Falcon Observation Plane, The 92-412
Curtiss Pursuit Training Plane, The 24
Czechoslovakian Smolik Airplanes, The 1044
De Haviland Hercules Air Liner, The 958
Fairchild FG-1 Monoplane, The 707
Heath Sport Plane, The 321-374
Howard Flyabout, The 243
Huff-Daland Bomber XLB-1, The 252
Junkers Airliner, A New 758
Kinner Monoplane 62
Laird Commercial, The 125
Lizette Sport Plane, The 918
Meyers Midget, The 592
Nicholas-Beazley Produces New Commercial Airplane 468
Pitcairn Orowing, The 882
Pitcairn Sesqui-Wing, The 802
Spenser Monoplanes, The 254
Travel Air Mail or Passenger Plane, The 61
Waterhouse "Cruzair" Monoplane, The 672
Woodson Commercial Planes 368

AIRPORTS & AIRWAYS
Buffalo Airport, Hangars for the 126
Buffalo Airport Laid, Cornerstone of, by G. Graham Davidson 644
Lights for St. Louis-Chicago Airway 627
MacCracken Orders Lights for Airways 417
Marking the Airways, by Alan Jackson Rodgers, Honor Calbraith Perry 414
Airship Car for Use as Motor Boat 915

AIRSHIPS
German Super-Zeppelin Under Construction 957
Shenandoah Memorial Tablet Unveiled 964
Supermarine-Napier Flying Boat, The 21
Air Disturbances in Hilly Countries 286
Air Speed Indicator, Notes on 1080
Air Tour of the Near-East, An, by Lester D. Gardner 1001
Altitude Record, New 582-622
American Society for Promotion of Aviation, by Thos. L. Hill, Pres. 498
An Air Service to Ocean Liners 886
Analysis of Lester Gardner's Air Tour 1079
Another Flying Club 453
Antibes-Constantine Air Line 1084
ARMY AVIATION 64
Air Corps Airplane Radio Set, The 676
Bill, The Army Air 53
History of the U. S. Army Air Corps, The 170
Annual Report of the Chief of Air Corps 950
Secretaries of Navy and War Nominated, Aviation 56
Arrow Commercial Airplanes 843
Aspects of Aerography, The Fliers', by Prof. Alexander McAdie 702-841-954
Atlanta-Miami Air Line Successes, by H. D. Dennis 839
Atlanta-Miami Air Mail Schedule Changed 1039
Australian Capitals, Air Service Between 884
Australia to Samoa Planned, Flight from 850
Aviation's Decennial 164

B

Bill, The Army Air 53
Bettis, Lieut. Cyrus K. 498
Biographies of the U. S. Pilots 790
Bird Two-Seater Touring Plane, The 420
Brazil, To Establish Air Line in 640
British Air Transport 756
British Lightplane Competition, The 742-743
Buffalo Airport Laid, Cornerstone of, by G. Graham Davidson 644
Budget Message Provides for Aviation Program 1032
Buffalo Airport, Hangars for the 126
Bureau of Standards Air Work 1075
Byrd Returns, Commander 16

C

Cairo-Cape Town-Cairo-England Flight 97
Chicago-St. Louis Air Mail Schedule Changed 1039
Chicago-St. Paul-Minneapolis Air Mail Contract 361
Chile, Aviation Base Established in 132
Civil Air Bureau, Appropriation for 55
Civil Aviation, Ten Years of 214
Cleveland-Louisville Air Mail Contract, The 884
Cole Sport Commercial Airplane, The 542
Colonial Air Transport, Three Months Operation of 703
Coast Guard Air Service Inaugurated 1033
Commercial Aviation, The Air Mail Fathers, by Hon. W. Irving Glover 668
Commercial Aviation in the National Defense, by Maj. W. L. Clay 834-877
Competition for Navy Training Planes 995
Conant, Lieut. Frank H., U.S.N. 791
Conferences on Air Regulation, The 673
Contracts, Navy Airplane 124
Curtiss Duralumin Fuel Tank, The 250
Curtiss Falcon Observation Plane, The 92-412
Curtiss Pursuit Training Plane, The 24
Czechoslovakian Smolik Airplanes, The 1044

D

Daring Young Men Wanted, by Swanee Taylor 294
De Haviland Hercules Air Liner, The 958
Denver Meet, A Cowpuncher Reports the, by Jack Flipper 416
Design of an Aircooled Radial Engine, Some Problems in the, by Robert W. A. Brewer 410
Detroit Arctic Expedition, The 16
Detroit News Balloon Trophy, The 366
Do Airplane Engines Cost Much? 960
Durability of Metal Propellers, The, by T. P. Wright 706
Duralumin and Its Corrosion, by Wm. Nelson 738-795
Duralumin Hulls and Pontoons, Repairing 242
Duration Record, The French 542
Dusting the Gipsy Moth by Airplane 715

E

Eaglerock, Constructing and Merchandising the 1077
Economy Chart for Airplanes, An, by Prof. C. H. Powell 998
Egypt-India Air Service, The 842
Encouragement of Civil Aeronautics 636

ENGINES
Do Airplane Engines Cost Much? 960
History of the Aeronautical Engine, by C. Fayette Taylor 284
Navy Air-Cooled Engine Development 59
Some Problems in the Design of an Aircooled Radial Engine, by Robert W. A. Brewer 410
Wright-Morehouse 25-30 hp. Airplane Engine, The, by Guy Vaughan 329
England-Australia and Back by Air 674
Esthonia, Aviation in 456
Experimental Determination of Strength of Metal Wing, by Alexander Klemin 628

EXPORTS
Aircraft—for April 28
" " May 51-470
" " July 586
" " August 848
" " September 993

F

FLIGHTS
Africa, Seaplane Crosses 955
Australia to Samoa Planned, Flight from 850
Cairo-Cape Town-Cairo-England Flight 97
Detroit Arctic Expedition, The 16
England-Australia and Back by Air 674
French Long Distance Flights, Recent 256
London-Australia-London Flight, The 97
New York-Buenos Aires Flight 96
Panama, The Naval Flight to 755
Pan-American Flight, The 741
Portugal Plans Round-the-World Flight 998
Trans-Atlantic Flight, On the 318
Freight Containers in Air Transport, by Archibald Black 1038
French Airlines, Commercial Returns on 256
French Airlines to Have Radio 756
French Airmen Make World Record 886
French Airplane Safety Contest, A 1083
French Air Port, Record Traffic at 245
French Civil Appropriations Reduced 25
French Civil Aviation 127
French Long Distance Flights, Recent 256
French Seaplane Competition, The 473
French World Records, Prizes for 256
Further Discussion on Metal Propellers 1082
Further Improvements in Mail Schedule 1081

G

A Flying Tour of Europe, by Lester D. Gardner 450-494-538
An Air Tour of the Near East, by Lester D. Gardner 582-622
Gardner's Air Tour, Analysis of Lester D. 453
Gardner Breaks Air Travel Records, Lester D. 164
German Air Transport, August Record in 706
German Aviation Shows Marked Progress 640
German Civil Aviation Appropriations 741
Glider Record, New 331
Germans Reduce Price of Motor Fuel 876
Guggenheim Aeronautics School, Opening of 920-1041
Guggenheim Fund Endows Universities 402

H

Hawaiian Flight a World Record 756
Heath Sport Plane, The 321-374
Helium, Artificial 916
Helsingfors-Stockholm Air Line 96
History of the Aeronautical Engine, by C. Fayette Taylor 284
History of the U. S. Army Air Corps, A 170
History of U. S. Naval Aviation, A 176
Howard Flyabout, The 243
How Many Civil Airplanes Are Operating 916
How Will Aircraft be Sold, by Harold F. Marshall 14
Huff-Daland Airplanes Expands 838
Huff-Daland Bomber XLB-1, The 252
Hungary in 1925, Aviation in 132

I

India Restricts Importation of Aircraft 1002
Industry, A Review of the American 180
International Aeronautic Exposition, The 96
International Air Traffic Association Meeting 759
International Commission of Air Navigation Meets 1006
Ireland Aircraft, Inc. 126
Italian Air Transport, Progress in 846
Italy, Growth of Commercial Aviation in 542
Italy Plans for Air Expansion 62

J

Japanese Air Mail Starts 966
Japanese to Aid Commercial Aviation 589
Japan's Air Program 473

Junkers Company, The Case of the 57
Junkers Airliner, A New 758

K

Kansas City Trade Air Tour, The 91
Khartoum-Kanya Air Route Approved 474-667
Kinner Monoplane 62
Kirkham Products Corp. Active 1035

L

Laird Commercial, The 125
LEGISLATION
Budget Message Provides for Aviation Programs 1032
Conferences on Air Regulation 673
Civil Air Bureau, Appropriations for 55
MacCracken to Head Civil Aviation Bureau 322
Navy Air Bill, The 86
Proposed Air Regulations, The 548
Series of Aeronautical Conferences End 808
Lighting of Obstructions Dangerous to Aerial Navigation, by Capt. C. H. Biddlecomb 910
Lightplane, The Practical, by Jack Laass 806
Lightplane Competition at Orly, France, The International 588
Lightplanes and Private Flying 999
Lights for St. Louis-Chicago Airway 627
Lizette Sport Plane, The 918
Luft Hansa Air Lines, More Details on German 25

M

MacCracken Orders Lights for Airways 417
MacCracken to Head Civil Aviation Bureau 322
MANUFACTURERS
American Aircraft Industry, A Review of Aircraft Industry in Hammondsport, N. Y., by George Newbold 180
Huff-Daland Airplanes Expands 994
Ireland Aircraft, Inc. 838
Junkers Company, The Case of the 126
Polish Airplane Industry 124
Pratt & Whitney Anniversary 260
Marking the Airways, by Alan Jackson 246
Marseilles-Algiers Air Line 414
MEETS
Boettner Receives Detroit News Trophy 1047
Denver Meet, A Cow Puncher Reports the, by Jack Flipper 416
Kansas City Trade Air Tour, The 91
National Air Races, The 10-50-358-403-454-500-545-594
New York National Guard Air Meet, The 18
New Haven Seaplane Meet 458
Power Plant Aspects of the National Air Races, by Comdr. E. E. Wilson, U.S.N. 543
Reliability Tour, The Ford Airplane 129-287-323-362-408
Schiff Trophy, Capt. Campbell Awarded 705
Schneider Cup Race, The 786-792-870-874-1035
Metal-Clad Airships, Navy Orders 409
Metal v. Wood Propellers 913
Mexico, Air Mail Service for 755
Mexico to Link with Air Mail 472
Meyers Midget, The 592

N

N.A.C.A. Annual Report, Progress is Shown in 1034
Supermarine-Napier Flying Boat, The 286
N.A.T. Contracts with America Express 850
National Air Races, The 10-50-358-403-454-500-545-594
NAVAL AVIATION
Competition for Navy Training Planes 995
Contracts, Navy Airplane 124
History of U. S. Naval Aviation, A 176
Metal-Clad Airships, Navy Orders 409
"Naval Air Pilots" Made Public 924
Naval Aviation, Its Modern Mission 174
Secretaries of Navy and War Nominated, Aviation 56
Secretary of the Navy Reports on Aviation, The 1074
Navy Air Bill, The 86
New Air Mail Schedule 21
New Chicago-Twin Cities Air Mail Contractor 514
New York-Boston Air Mail Inaugurated 51
New York-Buenos Aires Flight 96
New Haven Seaplane Meet 458
New York National Guard Air Meet, The 18
Nicholas-Beazley Produces New Commercial Airplanes 468
Norton, Lieut. Harmon J. 498
Norwegian Planes to Fly to London 805

O

ORGANIZATIONS
Activities in the N.A.A. 95
Air Mail Pilots of America, The 884
American Society for Promotion of Aviation, by Thos. L. Hill, Pres. 886
Guggenheim Fund Endows Universities 402-1041
Kirkham Products Corp. Active 1035
New N.A.A. Committee Appointments 806
Pratt & Whitney House Journal, The 1035
S.A.E. Holds Two Day Aeronautic Meeting 460
Waterbury Lightplane Club, The 880-1084
Orient to Europe, Linking the 375

P

Pan-American Flight, The 741-1072
Parachute, Notes on the, by Serg. J. Pearson 670
Peru Plans Seaplane Service 955
Philadelphia Aero Exhibition, The 130
Philadelphia, Pa.-Norfolk, Va. Air Mail 547
Pilot Who Jumped Vindicated 1083
Polish Airplane Industry 260
Portugal Plans Round-the-World Flight 998
Power Plant Aspects of the National Air Races, by Comdr. E. E. Wilson, U.S.N. 543
P.R.T. Air Service 97 Per Cent Efficient 705
P.R.T. Air Service Suspended 1042
Pratt & Whitney House Journal, The 1035

R

Radio Aids to Air Navigation 466
Radio Compass Stations for Air Use 590
RECORDS
Altitude Record, New 498
French Duration Record, The 542
French Airmen Make World Record 886
French World Records, Prizes for 256
Record, New Glider 331
Hawaiian Flight a World Record 756
Speed Record, de Bernardi Sets New 924
World Records 13-758
Regulations, The Proposed Air 548
Reliability Tour, The Ford Airplane 52-129-287 323-362-408
Report of the Chief of Air Corps, Annual 950
Reports on Aviation, The Secretary of War 953
Richard-Penhoet Giant Flying Boat, The 1006
Rodgers, Honor Calbraith Perry 915
Rohrbach Airplanes for Turkey 805
RS-1 Moors at Ford Tower 590
Rumpler Seaplane Projected, Giant 914

S

S.A.E. Holds Two Day Aeronautic Meeting 460
Sauzedde Airplane Wheel Brakes 472
Schneider Cup Race, The 786-792-870-874-1035
Schiff Trophy, Capt. Campbell Awarded 705
Secretary of the Navy Reports on Aviation 1074
Secretaries of Navy and War Nominated, Aviation 56
Series of Aeronautical Conferences End 808
Shenandoah Memorial Tablet Unveiled, The 21
South American Line, A New 946
Spanish-American Aeronautical Congress 741
Spain-Argentine Zeppelin Line 846
Spain-Canary Islands Air Service 759
Spain Plans Seville-Buenos Aires Air Line 955
Speed Record, de Bernardi Sets New 924
Speserer Monoplane, The 254
Stamp, New Air Mail 510
Statistics Show Increased Service, Air Mail 995
Strasbourg, Commercial Aviation Renewed at 260
STRUCTURES
Experimental Determination of Strength of Metal Wing, by Alexander Klemin 628
Swedish Civil Aviation 667
Sweden, New Air Line in 286

T

Testing Aircraft on the Speed Triangle, by H. H. Blee 666
Texas-Chicago Air Mail Operates 97 Per Cent Perfect 320
Three-Engine Planes for Air Transport, by C. G. Peterson 354
TRANSPORTATION
Africa Air Route to Open, Eastern 245
Antibes-Constantine Air Line 64
Australian Capitals, Air Service Between 884
Brazil, To Establish Air Line in 640
Brindisi-Athens-Constantinople Air Line 132
British Air Transport 756
Chile, Aviation Base Established in 132
Colonial Air Transport, Three Months Operation of 703
Egypt-India Air Service, The 842
Esthonia, Aviation in 256
French Air Lines, Commercial Returns on 256
French Airlines to Have Radio 756
French Air Port, Record Traffic at 243
French Civil Aviation 127
German Air Transport, August Record in 706
German Aviation Shows Marked Progress 640
Helsingfors-Stockholm Air Line 96
Hungary in 1925, Aviation in 132
Italian Air Transport, Progress in 846
Italy, Growth of Commercial Aviation in 542
Italy Plans for Air Expansion 62
Japanese to Aid Commercial Aviation 589
Khartoum-Kenya Air Route Approved 474-667
Luft-Hansa Air Lines, More Details on German 25
N.A.T. Contracts with American Express 850
Norwegian Planes to Fly to London 805
Orient to Europe, Linking the 375
Peru Plans Seaplane Service 955
Prague-Paris Air Service Resumed 361
P.R.T. Air Service 97 Per Cent 705
South American Air Line, A New 846
Spain-Argentine Zeppelin Line 846
Spain-Canary Islands Air Service 759
Spain Plans Seville-Buenos Aires Line 955
Strasbourg, Commercial Aviation Renewed at 260
Sweden, New Air Line in 286
Swedish Civil Aviation 667
Vienna-Venice Air Line 640
Western Air Express, A Trip Over the, by Thurman H. Bane 710
Travel Air Mail or Passenger Plane, The 61
Tribute to the Air Mail Service, by W. T. Whitlock 512

U

Underwriting Aviation, by A. B. Roome 244

V

Varney Air Mail Service an Operating Success 1076
Vienna-Venice Air Line 640
Voice of the Sky, The 559

W

Washington-Philadelphia Air Mail 96
Waterbury Lightplane Club 880
Waterhouse "Cruzair" Monoplane, The 672
Weather Service to Civil Aviation 559
"Wings Across the Sea" Luncheon, A 626
Woodson Commercial Plane 321
World Records 13-758
Wright-Morehouse 25-30 hp. Airplane Engine, by Gus Vaughan 329

Z

Super-Zeppelin Under Construction, German 964



KEEPING ABREAST

of aeronautical activities is possible only by reading

AVIATION

each week. Yearly subscription rates: United States $4; Canada $5; Foreign $6.

AVIATION

225 FOURTH AVE. NEW YORK CITY.